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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/766,986	12/24/2003	Akihiro Mochizuki	350292001900	3442
7.	590 06/02/2005		EXAMINER	
Barry E. Bretschneider			WANG, GEORGE Y	
Morrison & Foerster LLP Suite 300			ART UNIT	PAPER NUMBER
1650 Tysons Boulevard McLean, VA 22102			2871	-
			DATE MAILED: 06/02/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

			AK			
	Application No.	Applicant(s)				
	10/766,986	MOCHIZUKI ET A	AL.			
Office Action Summary	Examiner	Art Unit				
	George Y. Wang	2871				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
2a) This action is <b>FINAL</b> . 2b) This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) <u>1-31</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) <u>1-31</u> are subject to restriction and/or e	lection requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form P1	ГО-152.			
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> </ul>						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)			1 11			
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948) 3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal Pa		D-152)			
Paper No(s)/Mail Date	6) Other:	, , , , , , , , , , , , , , , , , , , ,	,			

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## **DETAILED ACTION**

## Election/Restrictions

- 1. This application contains claims directed to the following patentably distinct species of the claimed invention:
- (1) the specifics of the liquid crystal device comprising a molecular initial alignment in the LC material having a parallel or almost parallel direction with respect to the alignment treatment direction for the LC material and where the LC material shows almost no spontaneous polarization which is perpendicular to the pair of substrate under the absence of externally applied voltage comprising a first embodiment corresponding to claims 1-7 and 30;
- (2) the specifics of the liquid crystal device comprising a pair of polarizing films where one of the pair has a molecular initial alignment in the LC material having a parallel or almost parallel direction with respect to the alignment treatment direction for the LC material and the other of the pair has a polarizing absorption direction which is perpendicular to the alignment treatment direction for the LC material comprising a second embodiment corresponding to claims 8-14;
- (3) the specifics of the liquid crystal device where the current passing through the pair of substrate shows substantially no peak-shaped current, when a continuously and linearly changing voltage waveform is applied comprising a third embodiment corresponding to claims 15-28;

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(4) the specifics of the liquid crystal device where the LC material shows a bookshelf layer structure or quasi-bookshelf structure at the ferroelectric LC phase comprising a fourth embodiment corresponding to claim 29;

- (5) the specifics of the liquid crystal device where each of the pair of substrate has a molecular alignment film having a thickness of 3,000 angstroms or more, which has been subjected to buffing alignment treatment so as to provide a contact length of the buffing alignment treatment of 0.3 mm or more comprising a fifth embodiment corresponding to claim 31.
- 2. Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

3. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Y. Wang whose telephone number is 571-272-2304. The examiner can normally be reached on M-F, 8 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

gw May 24, 2005

PRIMARY EXAMINER

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